BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

NAME OF WORK: DRILLING OF BOREWELLS AND INSTALLATION OF MOTOR, PUMP AND OTHER ACCESSOIES IN WARD NO.8 KODIGEHALLI.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	2.00	Carrying out geophysical survey Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting gvenner or schiberger's method, including reconnaissance survey of geological formation, geophysical investigation of existing ground water in the vicinity, its quality and acceptability of the users indicating the licating the location of site, recommended.depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtrs in consolidated formation for proper seating of casting pipe, depth of drilling required to cover full depth of acquifer proposed to be tapped, probate yield and other information required including transportation and accessories to work site, engaging technical personal	Nos	1938.46	Rupees One Thousand Nine Hundred Thirty Eight and Forty Six Paise Only
2		Sinking borewell of 165mm dia clear using super fast Hydrolic rig of capacity 250 PSIG na above 900 CFM and abaove in all strats including over burden upto 20M. fixing of casing pipes collars and cap with necessary, cutting and threading including transportation of rig and supporting vehicles, crew charges and cost of consumbables etclm complete including yield testing at the final depth with a minimum work in on compression for an hour (excluding cost of casing pipes collars cap			
(a)	100.00	Upto 50.00m depth	Rmtr	315.18	Rupees Three Hundred Fifteen and Eighteen Paise Only
(b)	100.00	Above 50.00 to 100.00m depth	Rmtr	412.00	Rupees Four Hundred Twelve Only
(c)	100.00	Above 100.00 to 150.00m depth	Rmtr	458.35	Rupees Four Hundred Fifty Eight and Thirty Five Paise Only
(d)	100.00	Above 150m to 200m depth	Rmtr	484.10	Rupees Four Hundred Eighty Four and Ten Paise Only
(e)	100.00	Above 200m to 250 m depth	Rmtr	560.32	Rupees Five Hundred Sixty and Thirty Two Paise Only
(f)	50.00	Above 250m to 300 m depth	Rmtr	600.49	Rupees Six Hundred and Forty Nine Paise Only

No of corrections - Nil

6/01

E.E. (B?P. DIV)

6/01

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
3	80.00	Supplying of ISI Mark 175 mm nominal bore, Plain end steel casing pipe grade of steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 medium black ERW casing pipe of 5mm thick black electic resistance welded steel tube material and confirming to IS 1387 / 1993 and manufactured by basic open hearth electric or basic oxygen process in random length of 5 to 7 mtr both ends threaded confirming to IS 554/1985 one end fixed with a socket confirming to is 4270:2001 and the other end with screwed pipes. All pipes shall be reasonably free from defects. The tubes shall be reasonably straight should be with ISI marking weighing 25.10kg/mtr. (Inclusive of all taxes and durties). Prices includes collar-medium duty.	Rmtr	1325.00	Rupees One Thousand Three Hundred Twenty Five Only
4	20.00	Providing 175mm dia MS Collar	Nos	150.00	Rupees One Hundred Fifty Only
5	2.00	Providing 175mm dia Bore Cap CE (M)	Nos	100.00	Rupees One Hundred Only
6	20.00	Providing and fixing 250mm dia PVC 10kg/sqm	Mtr	2600.00	Rupees Two Thousand Six Hundred Only
7	500.00	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM of equipments and testing complete as per specificatiions.	Mtr	456.86	Rupees Four Hundred Fifty Six and Eighty Six Paise Only
8	2.00	Atalanta, Suguna, CRI KIRLOSKAR and other equipments pumps 10.00 HP/7.5KV(20 stage)	Nos	50100.00	Rupees Fifty Thousand One Hundred Only
9	1120.00	Supply and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS 8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100 Volts as per IS-694 : 1990 & confirming to GTP of GROUP-A.	Mtr	126.70	Rupees One Hundred Twenty Six and Seventy Paise Only
10	2.00	Providing and fixing in position 50mm nominal bore non-return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications	Nos	1515.80	Rupees One Thousand Five Hundred Fifteen and Eighty Paise Only
11	2.00	Supplying and fixing 50mm GI Union	Nos	223.70	Rupees Two Hundred Twenty Three and Seventy Paise Only
12	4.00	Supplying and fixing 50mm GI Elbow	Nos	111.80	Rupees One Hundred Eleven and Eighty Paise Only
13	4.00	Supplying and fixing 50mm GI Nipple	Nos	104.30	Rupees One Hundred Four and Thirty Paise Only
14	4.00	Supplying and fixing 50mm GI Collar	Nos	109.00	Rupees One Hundred Nine Only
15	40000.00	Fabricating supplying and mounting MS box made out 14SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrengements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete.	Sq cms	0.37	~~and~~ Thirty Seven Paise Only
16	2.00	Supplying and fixing angle iron frame work fabricated out of M>S angle iron.. And M.S flat .. With bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.(Page no.49, Sl.No.6.39.2)50x50x6mm Electrical SR.2014-15	Mtr	338.00	Rupees Three Hundred Thirty Eight Only

No of corrections - Nil

6/01

E.E. (B.P. DIV)

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Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
17	2.00	Supplying of TPST with rewireable porcelain Channels in SM encloser. Made out of 14 SWG powder coated paint of approved colour. 32 Amps	Nos	1868.00	Rupees One Thousand Eight Hundred Sixty Eight Only
18	2.00	Supplying and fixing polished wood board made of not less than 15mm thick plank on both bsides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws.	Each	302.00	Rupees Three Hundred Two Only
19	2.00	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220V AC 50 Hz 12/24 DC	Nos	442.00	Rupees Four Hundred Forty Two Only
20	2.00	Supplying fully automatic star-Delta starter unit push button type with suitable wires, 2 contactores, one adjustable thermal timer mounted on a common base palte held in steel encloser for use on 400/440 volts 3 phase and wired after fixing to the wooden board for motor. Upto 12.5HP	Nos	6583.00	Rupees Six Thousand Five Hundred Eighty Three Only
21	2.00	Suppling and fixing single phase preventor using necessary wires over an existing panel board suitable for motor up to 20HP capacities.	Nos	768.00	Rupees Seven Hundred Sixty Eight Only
22	40.00	Wiring for lighting /power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP-A.4 sqmm	Mtr	42.10	Rupees Forty Two and Ten Paise Only
23	8.00	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to IS 2834 Phase, 400/440 volts grade, for power factor improvement of rotating machinery.	KVAR	414.00	Rupees Four Hundred Fourteen Only
24	2.00	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40-	Each	1936.00	Rupees One Thousand Nine Hundred Thirty Six Only
25	2.00	Supplying and fixing wiring earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40mm dia 2.90mm thick GI pipe 2.5mtr long buried in a pit … The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Nos	2727.00	Rupees Two Thousand Seven Hundred Twenty Seven Only
26	10.00	Supplying and fixing class A (medium duty)-GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 K.V. class 40mm	Mtr	345.00	Rupees Three Hundred Forty Five Only
27	50.00	Supplying of 1.1 KV LTUG Cable having alluminium conductor PVC insulated extruded inner sheathed , galvanized, steel strip (except 2C X 10sq.mm wire armoured) confirming to IS-3975:1990(No.of Strip indicated in GTP) & extruded PVC outer sheathed armored cable with specified IS-1554 Part-1:1988 & confirming to GTP of GROUP-A.4 core 16 sqmm	Mtr	140.40	Rupees One Hundred Forty and Forty Paise Only
28	50.00	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe/on wall/on poles as required. In existing trench/duct. 6 sqmm to 16sqmm	Mtr	10.80	Rupees Ten and Eighty Paise Only
29	60.00	Digging of trenches of 0.6 x 0.50m wide refilling the trench to the required ground level and consolidating etc., compelte	Mtr	106.00	Rupees One Hundred Six Only
30	2.00	Supplying and fixing LT cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumin insulating compound compelte with terminals, clamps, bolts nuts and washers etc., for 16 sqmm	Each	280.00	Rupees Two Hundred Eighty Only
31	12.00	Supplying and fixing of procelin fuse channel with cutouts on existing wooden/panel using necessary nuts, bolts and washers. 63Amps	Each	234.00	Rupees Two Hundred Thirty Four Only

No of corrections - Nil

6/01

E.E. (BTP. DIV)

6/01

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
33	66.83	Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications.	Cum	283.02	Rupees Two Hundred Eighty Three and Two Paise Only
34	315.00	Supplying PVC ring tight pipes conforming to IS 4985:2000 with latest amendments and conveying to worksite rolling and lowering into trenches laying true line and level and perfect linking at joints testing and commissioning including loading and unloading at both destination and cuts of pipes wherever necessary including jointing of PVC pipes and specials (excluding cost of specials) with jointing of approval type with all labour with all lead and lift including encasing the pipe alround to a depth of not less than 15 cms with soft gravel or selected earth available from the excavation etc., compelte and giving necessary hydraluic test to the required pressure as per IS (Contractor will make his own arrangement for procuring water for testing)	Rmtr	77.38	Rupees Seventy Seven and Thirty Eight Paise Only
35	66.83	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications allow 60% of rate considered under	Cum	76.32	Rupees Seventy Six and Thirty Two Paise Only
36	2.00	Providing and fixing 65mm dia Gun metal non return valve Wheel valve conforming to IS specification of approved make as per directions including all lead and lift etc., compelte 50mm	Each	1431.00	Rupees One Thousand Four Hundred Thirty One Only
37	21.87	Providing and laying in position plain cement concrete of mix M 20 with OPC cement @300 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.43 cum with superplastisiser @ 3 lts confirming to IS 9103 - 1999 Reaffirmed - 2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation plinth and cills, including cost of all materials, labour HOM of machinery curing complete as per	Cum	5880.88	Rupees Five Thousand Eight Hundred Eighty and Eighty Eight Paise Only
38	24.00	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete (internal work exposed on wall) 20mm nominal OD pipes	Rmtr	143.10	Rupees One Hundred Forty Three and Ten Paise Only
39	20.00	Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each	231.08	Rupees Two Hundred Thirty One and Eight Paise Only
40	38.00	Lead for disposal of debries shall be payable at carriage rates by mechanical means including loading and unloading as per 13.30 kms	Cum	110.24	Rupees One Hundred Ten and Twenty Four Paise Only

No of corrections - Nil

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Note:

1. Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)
2. Unit rates and prices shall be quoted by the Tender in Indian rupees.
3. Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)
4. Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

"DTS Approved"

09.01.17